the plurality of feature vectors being searchable in response to search queries.

2. The system of claim **1**, wherein the memory device further includes instructions that are executable by the processor for causing the processor to:

receive a search query for identifying one or more software projects from among the plurality of software projects having a particular set of software features;

in response to the search query, generate a feature mask based on the particular set of software features, the feature mask being another data structure of elements in which each element is a binary value indicating whether a respective software feature corresponding to the element is among the particular set of software features to be searched; and

execute a search process for the one or more software projects by comparing the feature mask to each feature vector among the plurality of feature vectors, wherein the search process yields a subset of feature vectors from among the plurality of feature vectors having the particular set of software features.

3. The system of claim **2**, wherein the particular set of software features associated with the search query is a subset of the software features of the software project, and wherein the memory device further includes instructions that are executable by the processor for causing the processor to:

generate a modified feature vector based on the feature mask;

determine a plurality of vector distances based on the modified feature vector and the subset of feature vectors resulting from the search process, each vector distance among the plurality of vector distances being determined between the modified feature vector and a respective feature vector among the subset of feature vectors; and

determine that a closest match to the software project is whichever software project among the plurality of software projects has a smallest vector distance among the plurality of vector distances.

4. The system of claim **3**, wherein the memory device further includes instructions that are executable by the processor for causing the processor to generate the modified feature vector based on the feature mask by performing a bitwise AND operation between the modified feature vector and the feature mask.

5. The system of claim **1**, wherein the memory device further includes instructions that are executable by the processor for causing the processor to obtain the descriptive information about the software project from at least one source that is external to the software project.

6. The system of claim **5**, wherein the at least one source includes one or more websites.

7. The system of claim **6**, wherein the one or more websites include a discussion thread for discussing the software project and a repository for storing source code for the software project.

8. The system of claim **6**, wherein the descriptive information includes keywords characterizing the software project on the one or more websites.

9. The system of claim **1**, wherein the memory device further includes instructions that are executable by the processor for causing the processor to obtain the descriptive information about the software project from part of the software project.

10. The system of claim **9**, wherein the memory device further includes instructions that are executable by the processor for causing the processor to obtain the descriptive information about the software project from a configuration file or a readme file provided with the software project.

11. The system of claim **9**, wherein the memory device further includes instructions that are executable by the processor for causing the processor to obtain the descriptive information about the software project from source code for the software project.

12. The system of claim **1**, wherein the memory device further includes instructions that are executable by the processor for causing the processor to determine the software features of the software project by:

determining a plurality of counts corresponding to a plurality of textual terms in the descriptive information, each respective count among the plurality of counts indicating how many times a respective textual term is present in the descriptive information;

determining a subset of textual terms from among the plurality of textual terms having respective counts above a predefined threshold; and

designating the subset of textual terms as the software features for the software project.

13. The system of claim **1**, wherein the memory device further includes instructions that are executable by the processor for causing the processor to determine the software features of the software project by applying a machine-learning model to the descriptive information about the software project.

14. A method comprising:

analyzing, by a processor, descriptive information about a software project to determine software features of the software project, the software features being functional characteristics of the software project;

generating, by the processor, a feature vector for the software project based on the software features of the software project, the feature vector being a data structure of elements in which each element is a numerical value indicating whether a particular software feature corresponding to the element is among the software features of the software project as determined from the descriptive information; and

storing, by the processor, the feature vector in a database having a plurality of feature vectors for a plurality of software projects, the plurality of feature vectors being searchable in response to search queries.

15. The method of claim **14**, further comprising:

receiving a search query for identifying one or more software projects from among the plurality of software projects having a particular set of software features;

in response to the search query, generating a feature mask based on the particular set of software features, the feature mask being another data structure of elements in which each element is a binary value indicating whether a respective software feature corresponding to the element is among the particular set of software features to be searched; and

executing a search process for the one or more software projects by comparing the feature mask to each feature vector among the plurality of feature vectors, wherein the search process yields a subset of feature vectors from among the plurality of feature vectors having the particular set of software features.